

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

014-12049-D3

SERIAL NO.

10/674,248

APPLICANT

Paulo S. Tubel et al.

FILING DATE

September 29, 2003

GROUP / CONFIRMATION NO.

N/A 13193 3672

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	AA	3,722,605	03/27/73	Isham	175	40	02/03/71
	AB	3,857,449	12/31/74	Kimura	175	26	07/05/73
1	AC	4,434,654	03/06/84	Hulsing, II et al.	73	151	08/09/82
	AD	4,485,563	12/04/84	Sharp et al.	33	314	12/03/82
	AE	4,488,598	12/18/84	Duerksen	166	252	03/18/83
7	AF	4,656,743	04/14/87	Thiemann et al.	33	1 H	03/08/85
7	AG	4,676,313	06/30/87	Rinaldi	166	252	10/30/85

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
7	AH	81/01168	30.04.81	WIPO			X	
7	AI	0824810768	27-09-96	EPO			X	
7	AJ	96/09461	28.03.96	WIPO			X	

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

7	AK	Alan D. Kersey, Optical Fiber Technology 2.291-317(1996); Article No. 0036, XP-002053711; A Review of Recent Developments in Fiber Optic Sensor Technology, February 13, 1996, pages 291-317. •						
7	AL	Giovanni Botto, Bruno Maggioni and Adeimo Schenato, Society of Petroleum Engineers, XP-002082000, SPE 28484; Electronic, Fiber-Optic Technology: Future Options for Permanent Reservoir Monitoring; 1994, pages 215-224. •						
7	AM	Stephen Heath, A.M. Pritchard, On-Line Chemical Sensing Technology for Downhole and Topside Monitoring of Produced Brines; AEA Technology, XP-002082001, 1995, pages 1-19. •						

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10/20/03

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**SUPPLEMENTAL  
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
71	AA	5,597,042	01/28/97	Tubel et al.	166	250.01	02/09/95
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						


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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
71	AH	FR505.276	27.07.20	EPO				N
	AI							
	AJ							

**OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)**

	AK	
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/	BA	4,697,078	09/29/87	Randall	250	256	04/10/85
/	BB	4,849,753	07/18/89	Merry	340	854	10/18/89
/	BC	4,891,982	01/09/90	Norling	73	497	06/10/88
/	BD	4,905,774	03/06/90	Wittrisch	175	26	05/27/87
/	BE	4,994,671	02/19/91	Safinya et al.	250	255	10/04/89
/	BF	5,113,070	05/12/92	Smith	250	277.21	03/29/91
/	BG	5,131,477	07/21/92	Stagg et al.	175	40	01/16/91

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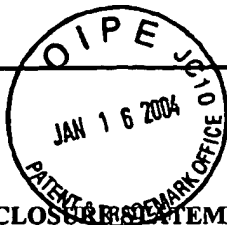
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/	BH	96/09561	03/28/96	WIPO			X	
	BI							
	BJ							

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/	BK	Osama S. Karaman, Chevron USA Production Company, Inc., Roy L. Kutlik, Chevron Research and Technology Company, and Ed L. Kluth, Sensor Dynamics Ltd.; Society of Petroleum Engineers, XP-002082002, SPE 35685; A Field Trial to Test Fiber Optic Sensors for Downhole Temperature and Pressure Measurements, West Coalinga Field, California; 1994, pages 351-357. *
/	BL	Gerhard Mutter, Dr. Herwig Malthan, Martin Hafen, & Christopher Noxon, LITEF GmbH; FOG Based Inertial Strapdown System for Online Borehole Measurement, XP-002082274, 1994, pages 681-694. *
/	BM	Sumio Takahashi, Yasunori Murrakami, Toshiaki Kikuchi, Ryohei Yagi and Akio Hasegawa; Simultaneous Sensing of Acoustic Wave and Temperature Using a Polarization-Maintaining Fiber; XP-000085290, 2419 Japanese Journal of Applied Physics, 28(1989)March, Suppl. 28-1, Tokyo, Japan, pages 188-190. *

EXAMINER	DATE CONSIDERED
<i>Fruit</i>	<i>10/20/04</i>

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	CA	5,144,590	09/01/92	Chon	367	57	08/08/91
	CB	5,166,747	11/24/92	Schroeder et al.	356	326	06/01/90
	CC	5,351,532	10/04/94	Hager	73	153	10/08/92
	CD	5,361,854	11/08/94	Tull et al.	175	45	10/05/93
	CE	5,363,094	11/08/94	Staron et al.	340	854	12/16/92
7	CF	5,363,095	11/08/94	Normann et al.	340	854	06/18/93
7	CG	5,385,053	01/31/95	Wlodarczyk et al.	73	705	10/06/93

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	CH							
	CI							
	CJ							

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7	CK	F. Pigeon, S. Pelissier, A. Mure-Ravaud, H. Gagnaire, S. I. Hosaini and C. Veillas; A vibration sensor, using telecommunication grade monomode fiber, immune to temperature variations; XP-000394438, 2001a Journal de Physique, 3(1993)Septembre, No. 9, Les Ulis, FR, pages 1835-1838. *
7	CL	Initiatives Online Volume 3, SP-002073713; The FlowProbe performs chemical analysis in real-time, February 1996; pages 1-2. *
7	CM	Michel Dietrich; Measurements of attenuation from vertical seismic profiles by iterative modeling, Geophysics, Vol. 50, No. 6 (June 1985), pp. 931-949, 11 Figs., 4 Tables. *

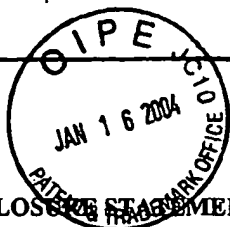
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
77	DA	5,414,507	05/09/95	Herman et al.	356	345	04/01/93
	DB	5,418,614	05/23/95	Brost et al.	356	434	04/19/93
	DC	5,503,225	04/02/96	Withers	166	250.1	10/08/92
	DD	5,517,024	05/14/96	Mullins et al.	250	254	10/05/93
	DE	5,663,559	09/02/97	Auzerais et al.	250	269.1	06/07/95
77	DF	5,767,411	06/16/98	Maron	73	705	12/31/96
77	DG	5,812,068	09/22/98	Wisler	340	855.5	12/12/95

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	DH						
	DI						
	DJ						

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77	DK	Lasse Amundsen et al.; <i>Estimation of phase velocities and Q-factors from zero-offset, vertical seismic profile data</i> , Geophysics, Vol. 59, No. 4 (April 1994), pp. 500-517, 13 Figs. 2 Tables. *
77	DL	N. C. Dutta et al.; <i>Attenuation and dispersion of compressional waves in fluid-filled porous rocks with partial gas saturation (White model)-Part II: Results</i> , Geophysics, Vol. 44, No. 11 (November 1979); pp. 1789-1805, 10 Figs., 4 Tables.
	DM	

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	EA	5,892,860	04/06/99	Maron et al.	385	12	01/21/97
	EB	5,898,517	04/27/99	Weis	356	5.09	01/15/98
	EC	6,016,702	01/25/00	Maron	73	705	09/08/97
	ED	6,065,540	05/23/00	Thomeer et al.	166	297	02/08/99
	EE	6,072,567	06/06/00	Sapack	356	32	02/12/97
7	EF	6,206,108	03/27/01	MacDonald et al.	175	245	10/22/97
7	EG	6,209,640	04/03/01	Reimers et al.	166	254.1	03/22/00

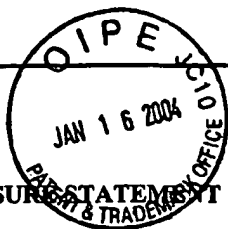
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	EH							
	EI							
	EJ							

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	EK	
	EL	
	EM	
EXAMINER	Frederick	
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77	FA	6,268,911	07/31/01	Tubel et al.	356	72	05/01/98
	FB	5,214,384	05/25/93	Sprunt et al.	324	351	07/24/91
	FC	5,963,508	10/05/99	Withers	367	38	02/14/94
	FD	6,302,204	10/16/01	Reimers et al.	166	250.03	06/27/00
77	FE	6,532,839	03/18/03	Kluth et al.	73	866.5	11/02/99
	FF						
	FG						

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	FH							
	FI							
	FJ							

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	FK	
	FL	
	FM	
EXAMINER	Frank B. [Signature]	
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